CLAIMS

What is claimed is:

1. A method comprising:

programming a software development environment to reserve memory space for direct access by a remote direct memory process.

2. The method of claim 1 wherein the software development environment comprises a managed runtime environment.

3. The method of claim 1 further comprising programming a garbage collector in the software development environment.

4. The method of claim 1 wherein said programming a software development environment comprises encoding a managed runtime environment to recognize memory space that is accessible by a remote direct memory program.

5. The method of claim 1 wherein said remote direct memory process comprises a network software memory program.

6. The method of claim 5 wherein said remote direct memory process comprises an executable program that is enabled to operate by an operating system comprising a kernel, the kernel reserving memory space to be accessed by the

operating system but being bypassed when the executable program of the remote direct memory process accesses the memory space.

7. A method comprising:

encoding a software module to reserve memory space that allows a network software memory program to bypass a central processing unit to access the memory space, the network software memory program operating according to a remote direct memory access protocol.

8. The method of claim 7 wherein the software module comprises a managed runtime environment.

9. The method of claim 7 wherein said encoding the software module comprises programming a managed runtime environment to recognize memory space that is accessible by a remote direct memory program

10. A computer-readable medium having stored thereon at least one instruction that, when executed by a computer, causes the computer to perform: encoding of a managed run time environment to reserve memory space for direct access by a remote direct memory program.

11. The computer-readable medium of claim 10 wherein the managed runtime environment reserves memory space for direct access by a network software program.

12. The computer-readable medium of claim 10 wherein the computer-readable medium comprises a storage medium comprising an instruction set configured to provide communication between the managed runtime environment and the remote direct memory program.

13. A system comprising:

a processor;

a memory coupled to the processor to support the processor operations;

a network interface controller interoperating with the processor and the memory for network communications with at least another processor and another network interface controller;

a network library accessible by the processor that provides remote direct memory access capabilities;

a garbage collector to monitor memory usage by at least the processor; and

a storage medium encoded to create a software development environment to reserve memory space for direct access by a remote direct memory program.

14. The system of claim 13 wherein the storage medium comprises a software module encoded to reserve memory space for direct access by a network software memory program.

15. An article comprising:

a storage medium comprising machine-readable instructions stored thereon to encode a managed run time environment to reserve memory space for direct access by a software development environment.

16 The article of claim 15, wherein the storage medium further comprises machine-readable instructions stored thereon to: encode a garbage collector in the software development environment.

17. The article of claim 16, wherein the software development environment comprises a remote direct memory access environment.

18. The article of claim 15, wherein the storage medium comprises machine-readable instructions stored thereon to encode a software module to reserve memory space for direct access by the software development environment.

19. The article of claim 18, wherein the software development environment comprises a remote direct memory access environment.